FIG. 1

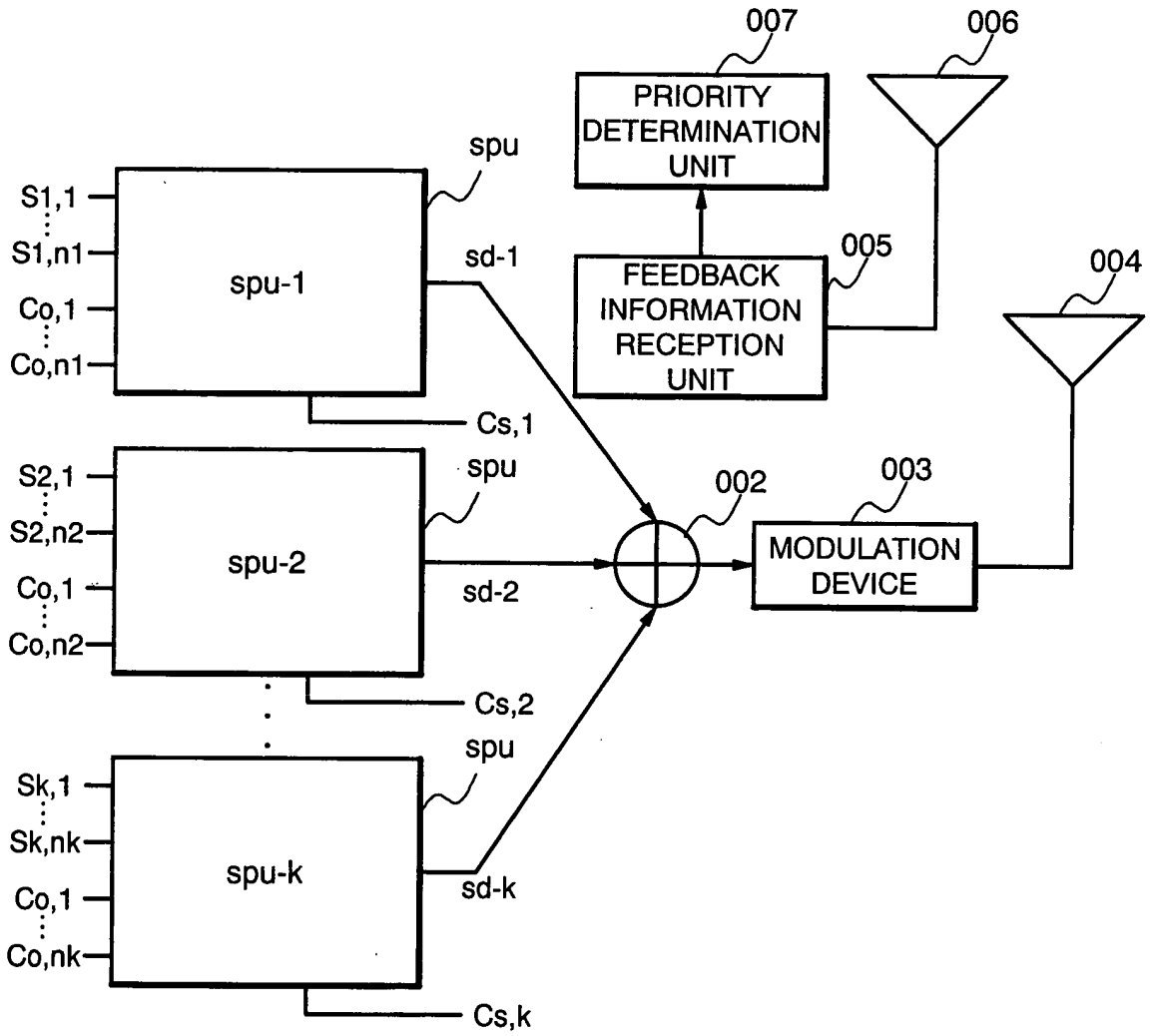
007
006
PRIORITY DETERMINATION UNIT
spu
S1,1
S1,n1
Co,1
Co,n1
spu-1
sd-1
005
FEEDBACK INFORMATION RECEPTION UNIT
004
Cs,1
S2,1
S2,n2
Co,1
Co,n2
spu-2
spu
002
003
MODULATION DEVICE
sd-2
Cs,2
Sk,1
Sk,nk
Co,1
Co,nk
spu-k
spu
sd-k
Cs,k

FIG. 2

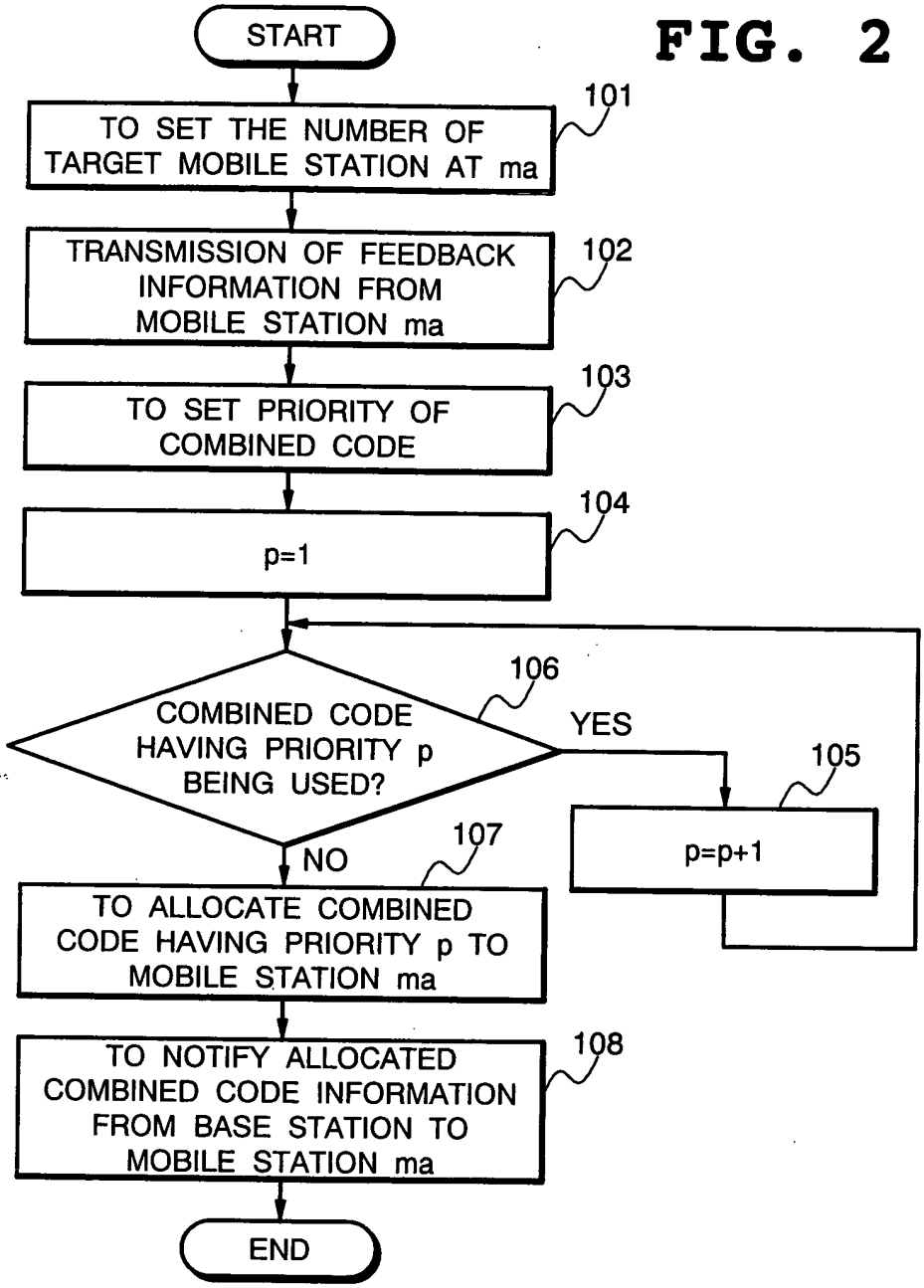
START
TO SET THE NUMBER OF TARGET MOBILE STATION AT ma
101
TRANSMISSION OF FEEDBACK INFORMATION FROM MOBILE STATION ma
102
TO SET PRIORITY OF COMBINED CODE
103
p=1
104
COMBINED CODE HAVING PRIORITY p BEING USED?
106
YES
105
p=p+1
NO
107
TO ALLOCATE COMBINED CODE HAVING PRIORITY p TO MOBILE STATION ma
TO NOTIFY ALLOCATED COMBINED CODE INFORMATION FROM BASE STATION TO MOBILE STATION ma
108
END

FIG. 3

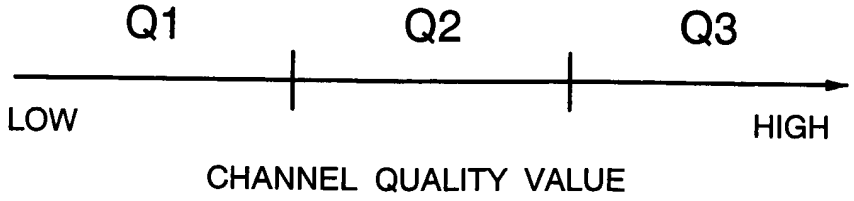
Q1
Q2
Q3
LOW
HIGH
CHANNEL QUALITY VALUE

FIG. 4

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1	7	11	...
2	2	16	...
3	8	14	...
4	1	9	...
5	4	13	...
6	6	10	...
7	3	12	...
8	5	15	...

(a) CHANNEL QUALITY VALUE CLASS Q1

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1	11	7	...
2	16	2	...
3	14	8	...
4	9	1	...
5	13	4	...
6	10	6	...
7	12	3	...
8	15	5	...

(b) CHANNEL QUALITY VALUE CLASS Q2

FIG. 5

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1	1	9	...
2	2	10	...
3	3	11	...
4	4	12	...
5	5	13	...
6	6	14	...
7	7	15	...
8	8	16	...

(a) CHANNEL QUALITY VALUE CLASS Q1

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1	9	1	...
2	10	2	...
3	11	3	...
4	12	4	...
5	13	5	...
6	14	6	...
7	15	7	...
8	16	8	...

(b) CHANNEL QUALITY VALUE CLASS Q2

FIG. 6

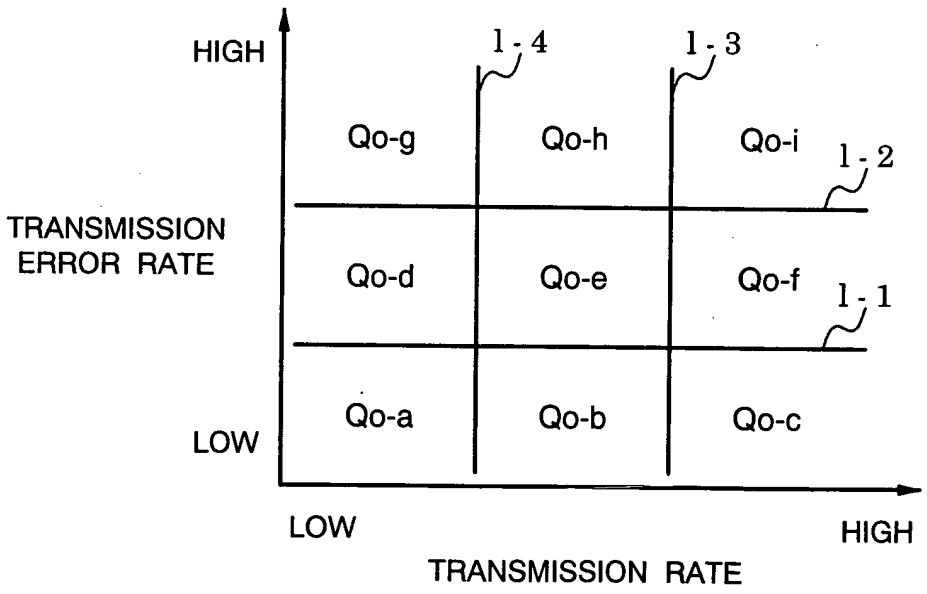
HIGH
TRANSMISSION ERROR RATE
LOW
LOW
HIGH
TRANSMISSION RATE
Qo-g
Qo-h
Qo-i
Qo-d
Qo-e
Qo-f
Qo-a
Qo-b
Qo-c
1-4
1-3
1-2
1-1

FIG. 7

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	・・・
1	7	11	・・・
2	2	16	・・・
3	8	14	・・・
4	1	9	・・・
5	4	13	・・・
6	6	10	・・・
7	3	12	・・・
8	5	15	・・・

(a) TRANSMISSION SIGNAL OF TRANSMISSION QUALITY REQUIRED AMOUNT CLASS Qo-a

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	・・・
1 2	5	1	・・・
3 4	8	3	・・・
5 6	7	2	・・・
7 8	6	4	・・・

(b) TRANSMISSION SIGNAL OF TRANSMISSION QUALITY REQUIRED AMOUNT CLASS Qo-b

FIG. 8

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1	1	9	...
2	2	10	...
3	3	11	...
4	4	12	...
5	5	13	...
6	6	14	...
7	7	15	...
8	8	16	...

(a) TRANSMISSION SIGNAL OF TRANSMISSION QUALITY REQUIRED AMOUNT CLASS Qo-a

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	...
1 2	5	1	...
3 4	6	2	...
5 6	7	3	...
7 8	8	4	...

(b) TRANSMISSION SIGNAL OF TRANSMISSION QUALITY REQUIRED AMOUNT CLASS Qo-b

FIG. 9

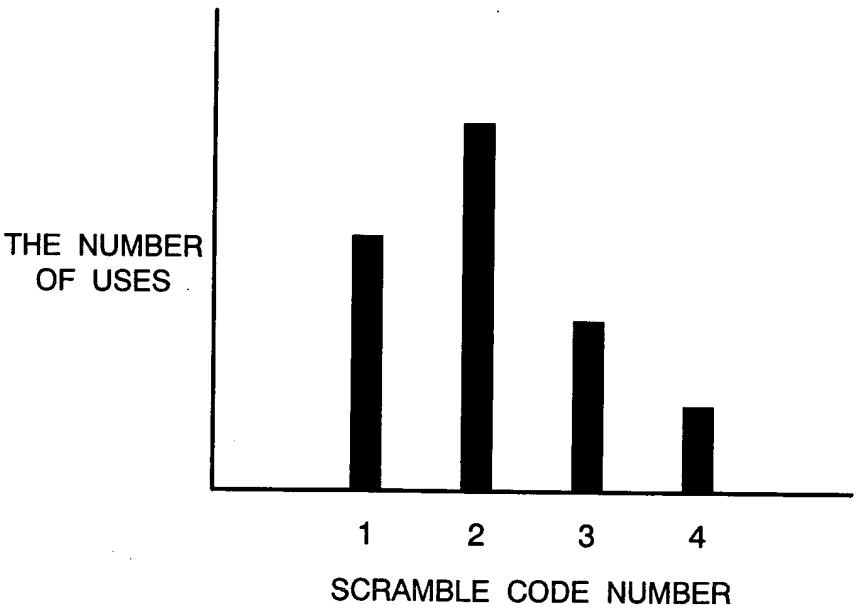

FIG.10

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	3	4
1	22	32	9	2
2	20	26	14	7
3	19	30	13	3
4	24	31	15	4
5	21	25	11	6
6	18	27	16	5
7	23	29	12	1
8	17	28	10	8

(a) CHANNEL QUALITY VALUE ≧ QUALITY THRESHOLD VALUE

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	3	4
1	9	2	22	32
2	14	7	20	26
3	13	3	19	30
4	15	4	24	31
5	11	6	21	25
6	16	5	18	27
7	12	1	23	29
8	10	8	17	28

(b) CHANNEL QUALITY VALUE < QUALITY THRESHOLD VALUE

FIG. 11

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	3	4
1	17	25	9	1
2	18	26	10	2
3	19	27	11	3
4	20	28	12	4
5	21	29	13	5
6	22	30	14	6
7	23	31	15	7
8	24	32	16	8

(a) CHANNEL QUALITY VALUE ≧ QUALITY THRESHOLD VALUE

SCRAMBLE CODE NUMBER

ORTHOGONAL CODE NUMBER	1	2	3	4
1	9	1	17	25
2	10	2	18	26
3	11	3	19	27
4	12	4	20	28
5	13	5	21	29
6	14	6	22	30
7	15	7	23	31
8	16	8	24	32

(b) CHANNEL QUALITY VALUE < QUALITY THRESHOLD VALUE

FIG. 12 (PRIOR ART)

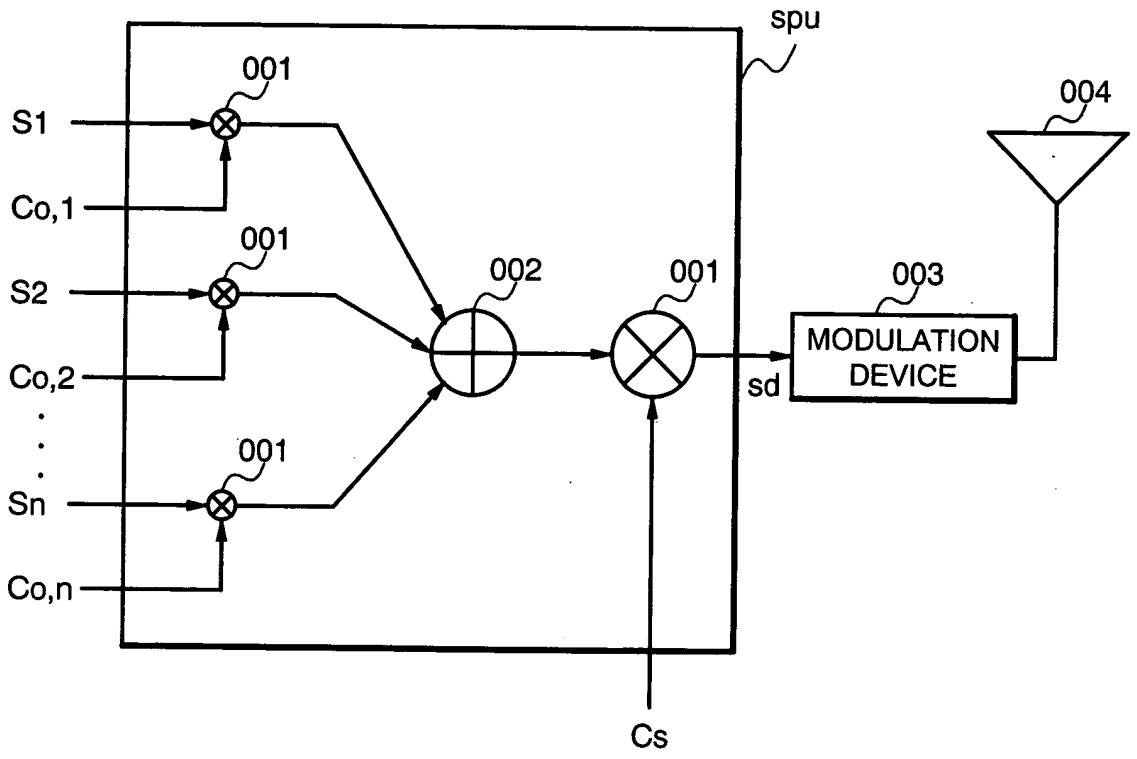

FIG. 13 (PRIOR ART)